

## Message Text

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ACTION TRSE-00

INFO OCT-01 EA-06 NEA-09 ISO-00 IO-10 L-02 H-02 PA-01

PRS-01 USIA-06 SP-02 AID-05 EB-07 NSC-05 CIEP-01

SS-15 STR-04 OMB-01 CEA-01 CIAE-00 COME-00 FRB-03

INR-07 NSAE-00 XMB-02 OPIC-03 LAB-04 SIL-01 FPC-01

AGR-05 FEA-01 /106 W

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P 290751Z APR 75

FM AMEMBASSY MANILA

TO SECSTATE WASHDC PRIORITY 2755

INFO AMEMBASSY KABUL PRIORITY

LIMITED OFFICIAL USE SECTION 1 OF 2 MANILA 5536

E.O. 116"9: ADS DECLAS 10/29/75

TAGS: EAID, EFIN, AF

SUBJECT: PROPOSED ADB TECHNICAL ASSISTANCE (TA) TO AFGHANISTAN  
FOR THE KAMA IRRIGATION AND POWER PROJECT

USADB

FOR NAC AGENCIES

REF: MANILA 9996 (1971)

SUMMARY: ADB MANAGEMENT PROPOSES \$185,000 GRANT TO  
AFGHANISTAN TO FINANCE FOREX COSTS OF DETERMINING  
FEASIBILITY OF ADDING 10 MW HYDROPOWER STATION TO  
PROPOSED IRRIGATION PROJECT IN HAMA AREA OF NANGARHAR  
PROVINCE OF AFGHANISTAN. A 1971 TA GRANT OF \$127, 000  
BY BANK FINANCED STUDY OF AN IRRIGATION REHABILITATION  
PROJECT FOR WHICH AFGHAN GOVT LATER REQUESTED ADDING  
HYDROPOWER. PROPOSED WE WOULD FINANCE ADDITIONAL  
INVESTIGATION TO DETERMINE FEASIBILITY OF ADDING  
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HYDROPOWER TO THE SCHEME, UTILIZING A STRUCTURAL

DROP BETWEEN THE OUTLET OF THE INTAKE TUNNEL AND THE CONVEYANCE CANAL. USADB RECOMMENDS FAVORABLE NAC ACTION. END SUMMARY.

1. ADB DOC R40-75 DESCRIBING PROPOSED GRANT POUCHED ADDRESSEES APRIL 24. BOARD CONSIDERATION SCHEDULED MAY 13, 1975.

2. ADB MANAGEMENT PROPOSING \$185,000 GRANT TO AFGHANISTAN. PROCEEDS WILL FINANCE FOREX COST OF ADDITIONAL INVESTIGATIONS NEEDED TO DETERMINE FEASIBILITY OF ADDING A 10 MW HYDROPOWER UNIT AS AN ADJUNCT TO A PROPOSED IRRIGATION REHAB SCHEME AT KAMA, NANGARHAR PROVINCE, WHICH HAD BEEN INVESTIGATED EARLIER. STUDY TO FORM BASIS FOR GOVT TO SEEK POSSIBLE LOAN FROM BANK TO FINANCE PROJECT.

3. IN NOVEMBER 1971, BANK APPROVED TECHNICAL ASSISTANCE GRANT OF \$127,000 (PER REFTTEL) TO STUDY AND PREPARE PLAN FOR REHAB AND EXTENSION OF TRADITIONAL IRRIGATION SYSTEM AND FACILITIES AS WELL AS FOR INTEGRATED AGRICULTURAL DEVELOPMENT OF KAMA, GERDAB AND GOSTA AREAS OF NANGARHAR PROVINCE OF AFGHANISTAN. IN VIEW OF DELAYS IN RECRUITING CONSULTANTS AND PROVIDING COUNTERPARTS, FIELD WORK DID NOT BEGIN UNTIL JANUARY 1973.

4. IN MARCH 1973, GOVT REQUESTED THAT STUDIES ALSO EXAMINE POSSIBILITY OF CONSTRUCTING SMALL HYDRO-POWER SCHEME AS ADJUNCT, UTILIZING AN EXPECTED STRUCTURAL DROP BETWEEN INTAKE TUNNEL OUTLET AND CONVEYANCE CANAL. GOVT PROPOSED SMALL UNIT HAVING ULTIMATE CAPACITY 4000 KW.

5. DRAFT FEASIBILITY REPORT SUBMITTED SEPTEMBER 1973 FOUND IRRIGATION ASPECTS OF PROJECT TO BE SATISFACTORY, BUT HYDROPOWER SCHEME PROPOSED WAS NOT FEASIBLE DUE TO SMALL HEAD OF ONLY 4 METERS AT GIVEN SITE WHICH WOULD ONLY ASSURE FIRM OUTPUT OF 333 KW.

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6. GOVT CONCURRED ON IRRIGATION FEASIBILITY, BUT REITERATED DESIRE INCLUDE HYDROPOWER, SUGGESTED NEW SITE; EXPANSION TO 10 MW CAPACITY. GIVEN LIMITED CONSIDERATION POWER ASPECTS IN ORIGINAL STUDY, ADDITIONAL INVESTIGATIONS REQUIRED TO FORMULATE POWER SCHEME OF SIZE NOW PROPOSED.

7. IRRIGATION SCHEME IN DRAFT FEASIBILITY REPORT INCLUDES CONSTRUCTION OF DIVERSION STRUCTURES, RECLAMATION OF SWAMP LAND, DEVELOPMENT OF NEW IRRIGATED AREAS AND REHAB OF EXISTING IRRIGATED AREA. TOTAL 9200 HECTARES DEEMED IRRIGABLE, OF WHICH 5900 HA. CURRENTLY IRRIGATED. TOTAL INVESTMENT COST, WHICH WOULD RESULT IN 3300 HA. NEW LAND

BROUGHT UNDER IRRIGATION, REHAB OF ENTIRE AREA INCREASING RICE AND WHEAT PRODUCTION, ESTIMATED AT \$7.5 MILLION OF WHICH FOREX COMPONENT WOULD BE \$3.5 MILLION.

8. AREA IS RAPIDLY DEVELOPING GROWTH CENTER OF AFGHANISTAN. USSR-ASSISTED NANGARHAR VALLEY PROJECT NOW UNDERWAY HAS SO FAR BROUGHT 15,000 HA UNDER IRRIGATION, OF WHICH 4500 HA. UNDER PUMPED IRRIGATION. ADDITIONAL 6000 HA, SCHEDULED TO BE IRRIGATED UNDER SECOND PHASE; SCHEME WILL EVENTUALLY COVER 31,000 HA. WHEN COMPLETED.

9. POWER SUPPLY INTRODUCED TO AREA 1965 WITH INSTALLATION OF SCHEME ON DARUNTA RESERVOIR. SINCE THEN, POWER UTILIZATION HAS GORWN STEADILY WITH EVIDENCE OF SUPPRESSED DEMAND AT JALALABAD CITY, CAPITAL OF NANGARHAR PROVINCE. PLANNED EXPANSION OF PUMPED IRRIGATION; EXPECTED GROWTH OF SMALL, MEDIUM SCHALE INDUSTRY WILL INCREASE POWER DEMAND. DARUNTA STATION HAS NO EXPANSION POTENTIAL.  
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ACTION TRSE-00

INFO OCT-01 EA-06 NEA-09 ISO-00 SP-02 AID-05 EB-07 NSC-05

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AGR-05 /106 W

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P 290751Z APR 75

FM AMEMBASSY MANILA

TO SECSTATE WASHDC PRIORITY 2756

INFO AMEMBASSY KABUL PRIORITY

LIMITED OFFICIAL USE SECTION 2 OF 2 MANILA 5536

E. O. 11652: ADS DECLAS 10/29/75

TAGS: EAID, EFIN, AF

SUBJECT: PROPOSED ADB TECHNICAL ASSISTANCE (TA) TO AFGHANISTAN  
FOR THE KAMA IRRIGATION AND POWER PROJECT

10. POWER SScheme NOW PROPOSED BY GOVT IS TO UTILIZE  
STRUCTURAL DROP WITH HEAD OF 40 METERS AT KHARA  
BETWEEN IRRIGATION CANAL AND KABUL RIVER. BANK  
MISSION CONSIDERED AREA HAS FAVORABLE PHYSICAL  
ASPECTS, ANTICIPATED POWER DEMAND JUSTIFIES FURTHER  
STUDIES.

11. TA, TO BE DONE IN 5 MONTHS, WOULD REQUIRE 16  
MAN-MONTHS OF CONSULTANT SERVICES, WOULD INCLUDE  
DETERMINATION FEASIBILITY OF HYDROPOWER SCHEME;  
PRELIMINARY DESIGNS FOR MAJOR ENGINEERING STRUCTURES  
INCLUDING FACILITIES FOR JOINT USE OF IRRIGATIONS AND  
POWER GENERATION; RELATED TRANSMISSION AND DISTRI-  
BUTION FACILITIES. ESTIMATED COST OF \$185,000,  
ADDED TO EARLIER TA GRANT OF \$127,000 WOULD MAKE  
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TOTAL OF TA ASSISTANCE \$312,000. IN ACCORD BANK  
PRACTICE, IF LOAN FORMULATED AS RESULT OF TA, EITHER  
FOR IRRIGATION OR POWER OR BOTH, BANK MAY CHARGE TO  
SUCH LOAN EXPENDITURES IN EXCESS OF \$100,000 FROM  
THE TOTAL OF \$312,000.

12. NANGARHAR, MOST DENSELY POPULATED PROVINCE  
WITH AVG. ANNUAL GROWTH RATE 2.3 PERCENT, ESTIMATED  
1 MILLION POPULATION, HAS ARID CLIMATE (AVG.  
PRECIPITATION 233MM) SUITED FOR DOUBLE-CROPPING  
BUT WATER SUPPLY IS MAIN CONSTRAINT. STREAM-FLOW  
RECORDS INDICATE AMPLE WATER IN KABUL AND OTHER  
RIVERS BUT TRADITIONAL WOOD AND STRAW DIVERSION  
STRUCTURES, UNSYSTEMATIC LAYOUTS AND POOR CANALS  
LEAD TO UNCERTAIN AND INEFFICIENT WATER USE.  
TYPICALLY ANNUAL FLOODS WASH OUT DIVERSION STRUCTURES;  
EXCESSIVE SEEPAGE RESULTS IN WATER LOSS, DRAINAGE  
PROBLEMS.

13. PROPOSED PROJECT AREA ON KUNAR RIVER (BRANCH OF KABUL RIVER) HAS MINIMUM MONTHLY DISCHARGE 120 CUBIC METERS/SECOND (CUSECS); PEAK IRRIGATION DEMAND WOULD BE INCREASED FROM 13 TO 23 CUSECS WITH IMPLEMENTATION IRRIGATION SCHEME, REQUIRING FROM 1 TO 6 PERCENT OF KUNAR RIVER FLOW DEPENDING ON TIME OF YEAR. IRR ESTIMATED AT 14 PERCENT FOR IRRIGATION ONLY; DATA WOULD BE REWORKED TO INCLUDE ADDITIVE COSTS/BENEFITS OF HYDROPOWER AS WELL.

14. GOVT POWER AUTHORITY AFGHANISTAN BRESHNA MOASSESSA (ABM) HAS TOTAL CAPACITY OF 260 MW OF WHICH 90 PERCENT HYDRO. TARIFFS UNREALISTICALLY LOW (LESS THAN 1AF/KWH); ENERGY SOLD AS PERCENT ENERGY GENERATED ONLY 50 PERCENT. INSTITUTIONAL AND MANAGEMENT DEFECTS BEING ADDRESSED BY UNDP PROJECT NOW BEING DEFINED PLUS \$2 MILLION TA FROM CIDA (CANADA); GERMAN AID ALSO BEING PROVIDED TO REHAB KABUL FACILITIES; IBRD LOAN UNDER CONSIDERATION. THUS ABM'S CAPACITY AND PERFORMANCE EXPECTED TO BE UPGRADED. MINAG IRRIGATION AND WATER RESOURCES LIMITED OFFICIAL USE

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DEVELOPMENT AUTHORITY (IWRDA) CURRENTLY OPERATES JOINT POWER/IRRIGATION PROJECTS; EXCESS POWER GENERATED IS SUPPOSED TO BE TRANSFERRED TO ABM. GOVT ALSO CONSIDERING CREATING NEW WATER AND POWER AUTHORITY; BANK'S PROPOSED TA WOULD ALSO EXAMINE APPROPRIATE INSTITUTIONAL SET-UPS; TARIFFS, ETC.

15. ALTHOUGH IN PAST, IWRDA FROM DARUNTA HAS DELIVERED AS MUCH AS 4 MW OF POWER TO JALALABAD, THEY ARE ONLY COMMITTED TO SUPPLY 2 MW; MAXIMUM PEAK LOAD HAS NOT EXCEEDED 8 MW, ALTHO PROJECT HAS 3 X 3.87 MW GENERATORS (ONE HELD IN RESERVE). INCREASING FUTURE DEMAND FOR PUMPING AND ADDITIONAL NEEDS OF JALALABAD APPEAR TO JUSTIFY PROVISION ADDED POWER PROPOSED TO BE EXAMINED IN BANK'S TA. INDICATIVE COST OF \$15 MILLION AMOUNT ESTIMATED EARLIER TO PROVIDE 10 MW IN AREA, BUT ISSUES OF SIZE, TIMING, AND LOCATION OF PROJECT REQUIRE FURTHER STUDY.

16. UNDP ALSO PROPOSING TO GRANT-FINANCE KUNAR RIVER BASIN SURVEY TO BEGIN LATE 1975 AND END 1977. ALTHO TERMS OF REFERENCE THIS STUDY NOT YET FINAL, IT EXPECTED TO IDENTIFY POTENTIAL HYDRO AND AG SITES SUITABLE FOR SPECIFIC FUTURE PROJECTS. NO DUPLICATION WITH UNDP PROGRAM FORESEEN ON BASIS INFORMAL ADB MISSION

DISCUSSIONS WITH UNDP KABUL OFFICE.

17. TA PROPOSED TO DETERMINE FEASIBILITY OF PHASING PROJECT IF APPROPRIATE; OPTIMUM SPECIFIC LOCATIO AND BASIC DESIGN OF PROJECT FACILITEIES; PROJECT FUTURE IRRIGATIONS USAGE AND IMPACT ON LOAD FACTORS, OTHER TECHNICAL CONSIDERATIONS. LOCAL CURRENCY COSTS OF STUDY OF ESTIMATED \$15,000 EQUIV TO BE BORNE BY GOVT, TO INCLUDE COUNTERPART ASSISTANCE, TOPO MAPS, LOCAL TRANSPORT AND DATE TO BE FURNISHED BY GOVT. USADB RECOMMENDS FAVORABLE NAC ACTION.

18. REQUEST KABUL'S COMMENTS FOR NAC AGENCIES, INFO USADB MANILA, PER STATE 119795 DTD 3 JULY 1972. SULLIVAN

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## Message Attributes

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05 JUL 2006

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**TAGS:** EAID, EFIN, AF, ADB  
**To:** STATE  
**Type:** TE  
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